"We especially need imagination in science. It is not all mathematics, nor all logic, but it is somewhat beauty and poetry." - Maria Mitchell

Who We Are

About Us
PATAG is a collective of passionate Post-doctoral fellows from diverse backgrounds that believe scientific advancement is achieved through the development of creative minds. PATAG fellows strive to translate their clinical, biomedical, and basic research experiences to the classroom by incorporating state of the art technology and recent scientific advances into core curriculum principles with hopes of inspiring future young scientists to innovate, discover, and evolve the landscape of their industry.

Contact Us
PATAG Co-Chairs:
Stephen Rego: srego@wakehealth.edu
Bita Nickkhoh: bnickkho@wakehealth.edu
Steve Fordahl: sfordahl@wakehealth.edu
Current Postdoctoral Fellows
Teaching Interests & Research Expertise

Teagan Avis, Ph.D
Teaching: Health, Exercise Physiology
Research: Heart Failure

Nelmi D. Devarie Baez, Ph.D
Teaching: Analytic, General, Organic & Bioorganic Chemistry
Research: Protein Oxidation, Organic Synthesis & Proteomics

Nildris Cruz-Diaz, Ph.D
Teaching: Physiology
Research: Cardio Physiology, RAAS System

Khalil Eldeeb, M.D, Ph.D
Teaching: Physiology, Pharmacology
Research: Neuropharmacology, Cannabinoid Signaling System

Steve Fordahl, Ph.D
Teaching: Biology, Physiology, Health/Nutrition, Nutritional Neuroscience
Research: Neurobiology of Food & Drug Addiction, Obesity, Neurotoxicology

Sheena Gayomba, Ph.D
Teaching: Plant Biology
Research: Plant Biology

Sunil George, Ph.D
Teaching: Anatomy & Physiology, Regenerative Medicine
Research: Kidney Regeneration

Anushree Karkhanis, Ph.D
Teaching: Neuroparmacology, Neuroscience
Research: Alcohol & Drug Addiction

David Klorig, Ph.D
Teaching: Neuroscience
Research: Learning, Memory, Epilepsy

Elsa I. Silva Lopez, Ph.D
Teaching: Neurobiology, Physiology & Pharmacology
Research: Alcohol Withdrawal

Melissa Masicampo, Ph.D
Teaching: Biology, Psychology
Research: Animal Behavior

Doris Molina, Ph.D
Teaching: Neurobiology, Physiology & Pharmacology
Research: Alcohol Withdrawal

Joelle Muhlemann Vidi, Ph.D
Teaching: Plant Biology
Research: Plant Development

Bita Nickkholgh, M.D, Ph.D
Teaching: Human Physiology, Genetics
Research: Cancer Biology, Epigenetics, Genetics, Cell Culture Models

Stephen Rego, Ph.D
Teaching: Cellular & Molecular Biology, Stem Cell Biology, Biochemistry
Research: Gastrointestinal Tissue Engineering, Tumor Microenvironments

Hooman Sadri-Ardekani, M.D, Ph.D
Teaching: Stem Cell Biology, Reproductive Endocrinology, Genetics
Research: Male Infertility (Basic & Clinical Research)

Sittadjody Sivanandane, Ph.D
Teaching: Cellular & Molecular Biology, Biochemistry, Physiology
Research: Endocrinology, Cancer Biology, Bioengineering

Hong Shan, Ph.D
Teaching: Electrophysiology
Research: Calcium Channels

Victor Taylor, Ph.D
Teaching: Anatomy, Embryology, Histology
Research: Osteoarthritis, Bone Morphology

Dan Wu, Ph.D
Teaching: Cancer Biology
Research: Myeloma Microenvironments